

## SPACE MANAGEMENT OF AN IMS DATABASE

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### ABSTRACT OF THE DISCLOSURE

Space within an IMS database can be managed during loading or updating of  
5 the database. After an IMS database is loaded, a space management program can  
assume control from the IMS program for a period of time. During this period of  
time, the space management program obtains memory addresses of IMS control  
blocks built by the IMS program and further obtains information about the IMS  
database. When the IMS program attempts to insert data into the IMS database, either  
10 during loading or updating of the database, the space management program reassumes  
control from the IMS program. The space management program selects a storage  
location for the data to be stored, and modifies the IMS control blocks to indicate the  
storage location selected. The space management program may also insert the data  
into the storage locations selected. Control is then passed back to the IMS program.  
15 If segments are to be inserted into the IMS database, and such segments are to be  
split, then the space management program selects two storage locations for the  
components of the split segment to be stored. The storage locations selected by the  
space management program are selected based on IMS database user preferences.